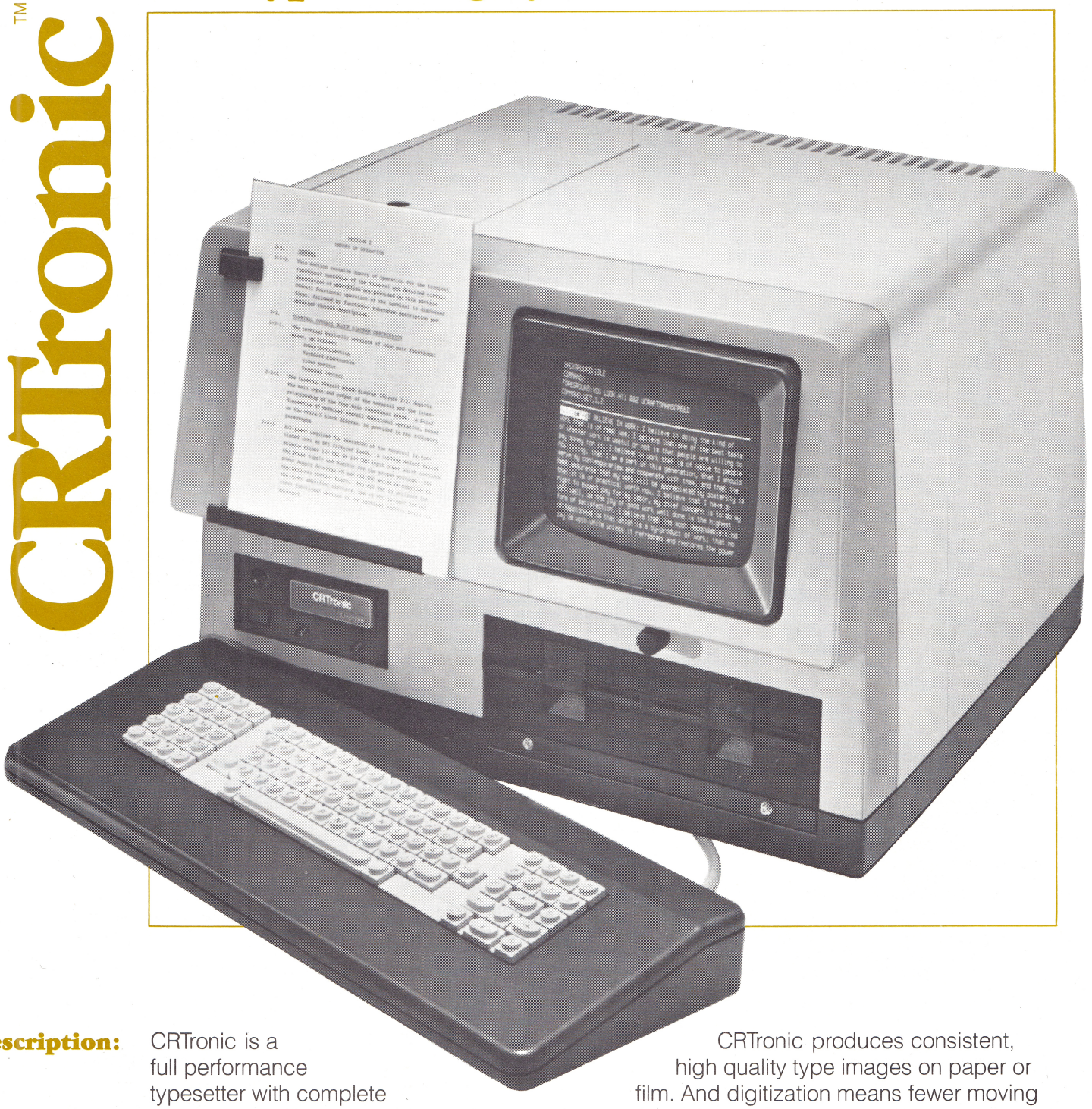
CRTronic™

desk-top digital CRT typesetting system



Description: CRTronic is a full performance typesetter with complete editing capabilities and a file management the equal of large text processing systems. But, this machine is comfortable to operate. It incorporates a moveable keyboard and tiltable display.

CRTronic applies digitized fonts so you buy a typeface master only once and produce any size, plus expanded, condensed, and oblique effects you desire.

CRTronic produces consistent, high quality type images on paper or film. And digitization means fewer moving parts—and greater reliability.

Undoubtedly, CRTronic will set the standard for the industry.

Mergenthaler Linotype

Allied Chemical

CRTronic™

Specifications:

DISPLAY

Screen Size
9 inch diagonal, tiltable

Screen Capacity
18 lines up to 64 characters each. Includes 5 control lines and 13 text lines.

Display Format
Single column, 13 lines of 64 characters.

Character Set
256 characters and symbols, not user programmable.

Character Size
Approximately 11.5 pt. on 9 x 13 matrix

File Index
296 files/diskette

Display Memory
123 lines (7872 characters)

Typesetting Parameters
Displayed in text

Interactive Mode
Foreground hyphenation and justification with forward or backward character count, depth count and line endings. Also displays analog line-length-remainder in the form of a light bar. In addition, type face, size, leading, measure or indentation as well as the current tab column is recallable.

CONTROL AND EDITING FUNCTIONS

Scrolling
Forward and backward through visual display memory, also paging throughout diskette.

Local Search
Automatic search within screen memory for a string of up to 20 characters that match the string in the control line.

Background Search
Same as Local Search except search can be done by file, groups of files or globally through a complete diskette.

Search and Replace
40 character search/replace string e.g., search 10 characters, replace with 15; search 20 characters, replace with 20.

Modes
Insert or overwrite.

Block Definition
Any defined text can be moved, copied, saved or deleted by a single keystroke.

Delete
Single keystroke deletes character, word, sentence, block all from the cursor position.

Cursor
Left, right, up, down, home, next line, next word, previous word, start of next paragraph, foreground and background.

Mini-Floppy
296 direct accessible jobs of variable length, combined into files; two dual density, single-sided diskette drives standard—160,000 characters per unformatted diskette.

Access Methods
Direct via job number, index sequential via job names, any required sequences via job numbers or job names.

File Correction
Search, cancel, insert, amend, with automatic file management by the system.

Floppy-Diskette Directory
To be called up on visual display with job number, status of text and job name (up to 19 characters per name) corresponding to the sequences stored on floppy diskette.

** **Memory Keys**
14 programmable keys in 3 levels for multicodes. Temporarily assigned direct from keyboard.

** **User Defined Formats**
97 different formats with nesting capabilities.

** **Macro-Characters**
User programmable characters.

JUSTIFICATION/HYPHENATION

** **Exception Word Dictionary**
Dictionaries can be stored on diskette and recalled by file name.

Justification
Automatic—background and foreground.

Logic Hyphenation
Loads automatically with rest of program. Allows discretionary hyphenation.

INPUT/OUTPUT

Input
Movable keyboard or mini-floppy diskette.

Output
Line length 45 pica.

Typesetting Speed
36 LPM

Point Sizes
4 to 76½ in 1/10-point increments, (726 sizes)

Font Master Capacity
A maximum of 8 different fonts are stored on one dual density mini-floppy diskette with 121 characters per font.

Number of Required Digitizations
One master digitization produces all sizes.

Expanding/Condensing
Expanded and condensed versions of all fonts are produced by independently changing set widths of the point size. 50% to 200% of original character in 1% increments.

Slanting
Digitized fonts can be slanted 12°, from 4 to 48 point.

Resolution
1,270 vertical scan lines per inch over total width area.

Right/Wrong Reading
Right or wrong reading.

Baseline Jump
By input command in 1/10 pt. increments from baseline to 72 pt. minus height of character.

Paging
Automatic pagination with odd/even headings, footings and folio generation.

Tabulation
Maximum of 32 columns.

Horizontal Rules
In all widths in 1/10 pt. increments from 1/10 point to 48 point.

Simultaneous Input/Output
Foreground/background operation.

OPTIONS

Reverse Leading and Vertical Rules
Electronic reverse leading. Vertical rules from 1/10 pt. to 48 pt. in 1/10 pt. increments.

MISCELLANEOUS

Size/Weight
Width: 25 inches (62.5 cm)
Depth: 30½ inches (76 cm) (with keyboard)
Height: 17½ inches (44 cm)
Weight: 143 lbs. (65 kg)

Electrical
115V, 10A, 60Hz, single phase
220V, 5A, 50HZ

Environmental
Temperature: 65° to 75°F (18° to 24°C)
Humidity factor of 50% ± 10
Non-condensing and static-free.
BTUs/hour: 1883

** **10,500 character total memory available for all functions**

These specifications are subject to change without notice.

REGIONAL OFFICES

Atlanta
Presidential Park
3805 N.E. Expressway, Suite 210
Atlanta, Georgia 30340
(404) 455-1154

Dallas
2880 Walnut Hill Lane
Dallas, Texas 75229
(214) 352-2651

Kansas City
34 Corporate Woods, Suite 230
10950 Grandview
Overland Park, Kansas 66210
(913) 649-9303

Los Angeles
1930 Wilshire Blvd., Suite 820
Los Angeles, California 90057
(213) 484-8310

Midwest
560 Lively Blvd.
Elk Grove Village, Illinois 60007
(312) 439-9800

New England
300 Unicorn Park Drive
Woburn, Massachusetts 01801
(617) 935-9730

New York
One Penn Plaza
250 West 34th Street
New York, New York 10119
(212) 594-7320

San Francisco
3521 Investment Blvd., Suite 1
Hayward, California 94545
(415) 785-9100

Washington D.C.
1700 North Moore Street
The Rosslyn Center—Suite 805
Rosslyn Station
Arlington, Virginia 22209
(703) 522-7700

Canada
Linotype Canada
Toronto/Montreal
Winnipeg/Vancouver
(416) 255-8141

INTERNATIONAL

New York
201 Old Country Road
Melville, New York 11747
(516) 673-4017
Telex 96-1411 or 96-1473

Miami
7370 Northwest 36th Street, Suite 241
Miami, Florida 33166
(305) 591-3155
Telex 808312

Mergenthaler Linotype
201 Old Country Road
Melville, New York 11747
(516) 673-4197

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